

Appl. No. 10/003,649
Amdt. dated August 30, 2005
Reply to final Office action of June 30, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Cancelled).
2. (Previously presented) A remote management system according to Claim 6 further comprising:
for each server, a local management controller coupling its associated server to said bus and converting server management status and video data signals from its associated server to packetized signals coupled to said bus.
3. (Original) A remote management system according to Claim 2 wherein:
said local management controller converts packetized signals from said bus to server command and data signals for its associated server.
4. (Previously presented) A remote management system according to Claim 6 wherein:
said bus comprises a plurality of bus segments coupled in daisy chain fashion.
5. (Previously presented) A remote management system according to Claim 6 wherein:
said bus comprises a multiconductor cable carrying packetized signals.
6. (Previously presented) A remote management system for a plurality of servers comprising:
a remote management module located near a group of servers, the remote management module having a first port for exchanging server management command and data signals with a server and a second port for exchanging signals with a remote server management computer, and

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a bus coupled to said first port of said remote management unit and to each of said servers,

wherein said bus comprises a plurality of segments coupling said first port to each of said servers;

further comprising;

a multiplexor for each of said servers, each multiplexor having first, second and third multiplexor ports, the first and second multiplexor ports coupled to said bus segments and the third multiplexor port coupled to its associated server, the multiplexor having a switch mode in which the first multiplexor port is selectively coupled to either the second multiplexor port or the third multiplexor port and having a broadcast mode in which the first multiplexor port is coupled to both the second multiplexor port and the third multiplexor port.

7. (Previously presented) A remote management system according to Claim 6 wherein:

each multiplexor is adapted to respond to a hot key signal on said bus identifying its associated server and couple said server to said bus.

8. (Original) A remote management system according to Claim 6 further comprising:

a control bus master coupled to said remote management module receiving a signal identifying a server to which the remote management module is to be connected,

a control bus slave for each of said servers and coupled to one of said multiplexors, and

a control bus coupling said control bus master to each of said control bus slaves,

each said control bus slave responding to a signal on said control bus identifying the server associated with the multiplexor to which it is coupled by signaling said multiplexor to couple signals from the server to the bus.

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9. (Previously presented) A remote management system according to Claim 6 wherein:

said second port exchanges signals in IP protocol.

10. (Previously presented) A remote management system according to Claim 6 wherein:

said second port is coupled to a network.

11. (Original) A remote management system according to Claim 10 wherein:
said network is the Internet.

12. (Previously presented) A method of remotely managing a plurality of servers comprising:

coupling a remote management computer to a remote management module through a network,

coupling said remote management module to a plurality of servers with a bus comprising a plurality of bus segments,

coupling successive bus segments to first and second ports of a plurality of multiplexors,

coupling a server to a third port of each multiplexor,

coupling a selected server to the remote management module by connecting together the first and third ports of a multiplexor associated with the selected server and connecting together the first and second ports of at least one other multiplexor, and

coupling all of the servers to the remote management module by connecting together the first, second, and third ports of all the multiplexors.

13. (Original) A method of remotely managing a plurality of servers according to Claim 12 further comprising:

converting server management status and video data signals from each server to packetized signals and coupling said packetized signals to said bus.

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14. (Original) A method of remotely managing a plurality of servers according to Claim 12 further comprising:

converting packetized signals from said bus to server command and data signals and coupling said server command and data signals to a server.

15. (Cancelled).

16. (Previously presented) A method of remotely managing a plurality of servers according to Claim 12 further comprising:

selecting a server to exchange server management command and data signals with said remote management module by sending a selection signal to a multiplexor associated with the selected server.

17. (Original) A method of remotely managing a plurality of servers according to Claim 16 wherein:

said step of selecting comprises sending a hot key command identifying the selected from said remote management computer to all servers coupled to the bus.

18. (Original) A method of remotely managing a plurality of servers according to Claim 16 wherein:

said step of selecting comprises;

sending a server selection signal from said remote management module to a control bus master device,

coupling the selection signal from the control bus master over a control bus to control bus slave devices associated with each server, and

coupling a multiplexor control signal from the control bus slave device associated with the selected server to the multiplexor associated with the selected server.

19.-33. (Cancelled).